

Title (en)

METHOD FOR TRANSMITTING AND RECEIVING UPLINK CONTROL CHANNEL AND DEVICE THEREFOR

Title (de)

VERFAHREN ZUM SENDEN UND EMPFANGEN EINES UPLINK-STEUERKANALS UND VORRICHTUNG DAFÜR

Title (fr)

PROCÉDÉ DE TRANSMISSION ET DE RÉCEPTION DE CANAL DE COMMANDE DE LIAISON MONTANTE ET DISPOSITIF CORRESPONDANT

Publication

**EP 3667971 A4 20210317 (EN)**

Application

**EP 18844369 A 20180806**

Priority

- US 201762543415 P 20170810
- US 201762593153 P 20171130
- KR 2018008884 W 20180806

Abstract (en)

[origin: EP3667971A1] Disclosed is a method by which a terminal transmits an acknowledgement (ACK)/negative ACK (NACK) signal in a wireless communication system. In particular, the method is characterized by receiving data from a base station, generating an ACK signal or a NACK signal corresponding to the data, transmitting the ACK signal to the base station on the basis of a first hopping pattern when the ACK signal is generated according to the data, and transmitting the NACK signal to the base station on the basis of a second hopping pattern different from the first hopping pattern when the NACK signal is generated according to the data.

IPC 8 full level

**H04L 1/18** (2006.01); **H04L 5/00** (2006.01)

CPC (source: EP US)

**H04L 1/1861** (2013.01 - EP); **H04L 5/0012** (2013.01 - EP); **H04L 5/0055** (2013.01 - EP US); **H04L 27/2605** (2013.01 - US); **H04W 72/21** (2023.01 - US); **H04W 72/0446** (2013.01 - US)

Citation (search report)

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- [A] US 2016218834 A1 20160728 - BOHN THOMAS B [US]
- [Y] LG ELECTRONICS: "Further discussion on sPUCCH design", vol. RAN WG1, no. Hangzhou, China; 20170515 - 20170519, 6 May 2017 (2017-05-06), XP051261894, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg\_ran/WG1\_RL1/TSGR1\_89/Docs/> [retrieved on 20170506]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3667971 A1 20200617**; **EP 3667971 A4 20210317**; **EP 3667971 B1 20221005**; CN 110999158 A 20200410; CN 110999158 B 20220524; US 11196526 B2 20211207; US 2021152316 A1 20210520; WO 2019031782 A1 20190214

DOCDB simple family (application)

**EP 18844369 A 20180806**; CN 201880051783 A 20180806; KR 2018008884 W 20180806; US 201816633928 A 20180806